Transportation & Distribution Information Systems (TDIS)

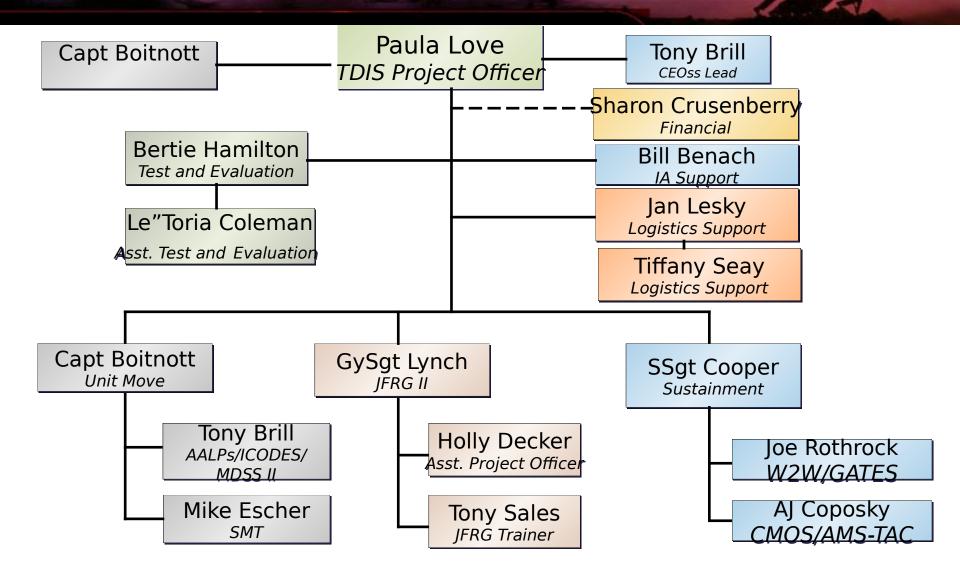
Joseph W. Rothrock (703) 432-5121, DSN 378-

5121

FAX (703) 432-5184



To develop, provide, and maintain integrated logistics systems that improve transportation FDP&E, AIT, and distribution services to the Warfighter in a deployed and garrison environment, enhancing their war fighting capability.





- CMOS Cargo Movement Operations System
- W2W Warehouse to War fighter
- Future Plans include integration of life cycle management responsibilities for:
 - TOPS, AGTR, GATES, Power track, GFM
 - Manpower and Funding Resources

AMS-TAC Current

- Fielded version 3.0.7
- Testing complete for version 3.1
 - SSAA/IA documentation in process
 - NMCI Certification pending resolution of challenges
 - Peer-to Peer or mapping is in violation of NMCI business rules
 - Using Unit budget for appropriate NMCI Seat assignment
 - Establishing seat assignments

AMS-TAC Future

- Alternatives
 - Web-enable in concert with client version (Navy/USMC venture)
 - Integration with W2W
 - Integration into CMOS
 - Capabilities Based Assessment Team (CBAT) vision
 - More Users MLG
 - Functionality tradeoffs btw Services



- 7.0 in IA certification process
- 7.1 certification will start upon completion of 7.0 upgrade
- Everyone should be writing RFID Tags out of CMOS for Iraq Shipments (IAW Policy)
- Working keyboard readers vice scanners
- Working 2d Barcode for 1348's
- Training 5-9 Jun, ANG, Harrisburg, PA.
 - Aug class unfunded
 - AIT Lab setup possible for mid term solution
- SPI Refresh, 55 Desk 18 Laptops
- Web-enable, USTC CBAT initiative
- D-CMOS
 - Any issues ?



UNITED STATES MARINE CORPS

Bridge Technology

LTMITV-W2W

Last Tactical Mile In-Transit Visibility

Warehouse to

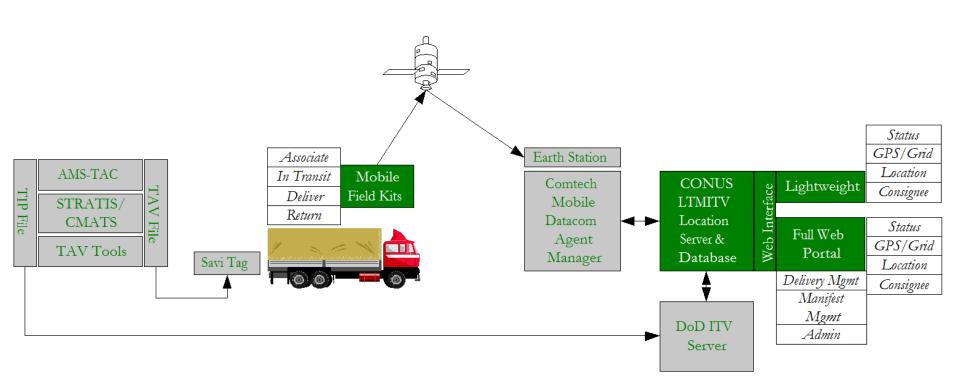
◆I MEF creation

- Late Summer 2003 SYTEX (Prime Vendor/Systems integrator)
- Deployed to Iraq
- ♦ II MEF transitioned deployment and refined W2W material solution and business process
- MARCORSYSCOM assumed program management responsibilities in Aug 05

- Last-Mile' visibility of supplies forward
- Non-nodal location updates.
 - Not dependent on nodal interrogators
- Electronic capture of consignee data at delivery point
- Automated generation of AS1/AS2 transactions



W2W





Mobile Kit

- Computer (Laptop/tablet)
- Transceiver
- Cable Assembly
- Power Supply

No difference btw Base Unit Kit or Mobile Kit just how it is employed

Server

- Receives and parses TIP files or content level detail from ITV
- From Base Unit Kit or Mobile Kit
 - Receives location (GPS) updates
 - Receives camp drop, RUC pickup and RUC delivery data
- Provides rich query and lightweight query alternatives via web interface
- Sends AS1 and AS2 80 card column courier file updates to USMC server for consumption based on in-garrison and theatre business rules

Base Unit Kit or Mobile Unit Kit

- Computer with Visibility Tracking Program (VTP)
- At delivery preparation input of PDC, AAC and Tag ID
- At Camp Drop, RUC Pickups and End RUC Deliveries
 - Mobile Unit Kit GPS updates and input of Tag ID and Consignee data
 - Base Unit Kit input of Tag ID and Consignee data





- Visibility Tracking Program
- Software application that runs on Tablet PC, which is part of a Field Kit
 - A few touch screen, most pen-based
 - Pen-based provide brighter screens
 - Includes graphic keyboard pop-up to allow entry of name/textual data via keyboard
 - Pen-based also provides additional means of handwriting recognition for input



UNITED STATES MARINE CORPS

W2W







Last Tactical Mile In Transit Visibility

Warehouse to Warfighter

Version 1.0.1858.24279

Status

FIELD KIT #: 99999

LOCAL TIME: 1603

ZULU TIME: 2103

GRID: [NO FIX] LATITUDE: |

LATITUDE: [NO FIX]

LONGITUDE: [NO FIX]

System Check

< Tests for VTP Readiness

Start Route

< START a New Delivery Session (Prepare for your Route)

RUC Delivery

< DELIVER Gear to Consignee RUC

Camp Drop

< DROP Gear at Intermediate Location (NOT to Consignee)

End Route

< END the Current Delivery Session

Help

< Documentation and Help for the VTP

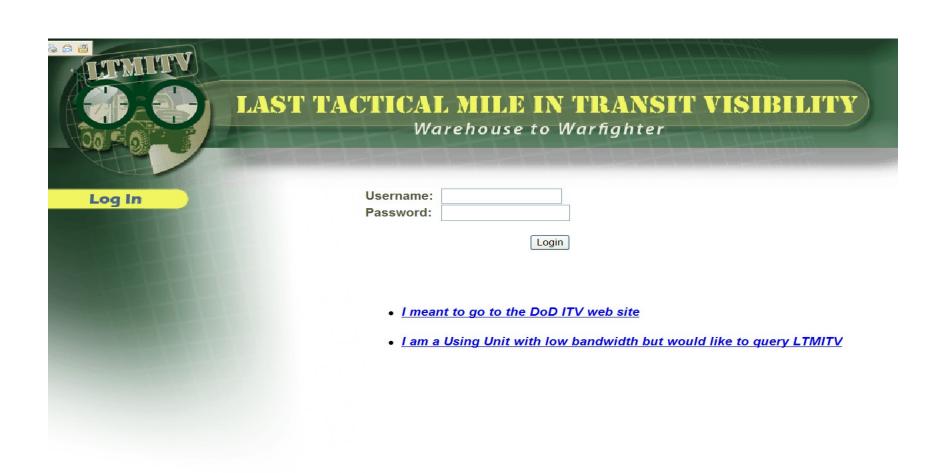
Transceiver Load

- Correlates delivery manifest data and Tag IDs with a field kit that is placed within a delivery/convoy vehicle
- Provides a means to query the location and current status of materiel pushed from SMU/TMO forward via a web enabled interface
- Can be configured 2 ways:
 - Mobile unit on each supply convoy from warehouse
 - Direct RUC delivery AS2 (D6T)
 - Intermediate camp drop AS1
 - Fixed system at each camp
 - Capture subsequent RUC pickup from camp AS2 (D6T)

- Relies on satellite transceiver and GPS to communicate data to Location Server
 - Designed to use minimal bandwidth
 - Same transceivers as MTS and BFT
 - Provides robust seamless satellite data communications to ensure data that is sent up is not 'lost in the ether'
 - All communications between Field Kit and Satellite are encrypted
- Does not depend on a localized server
- Laptop does not use mapping software- it is purely an input/filter for data up to the Location Server



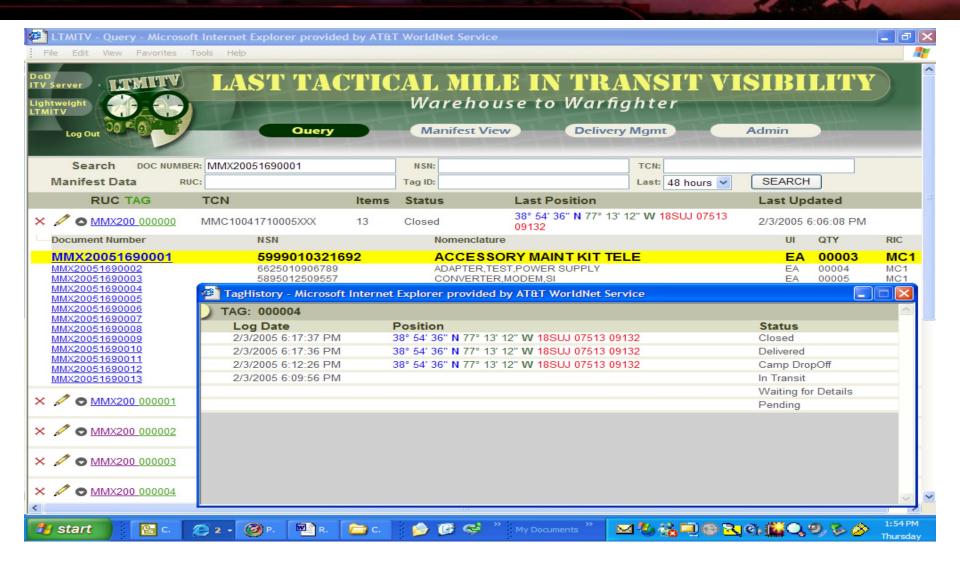






UNITED STATES MARINE CORPS

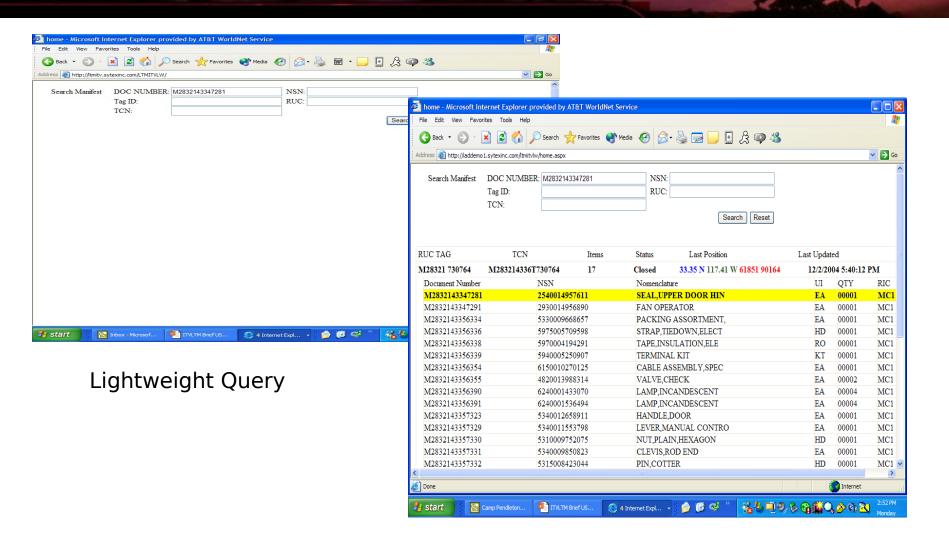
W2W





UNITED STATES MARINE CORPS

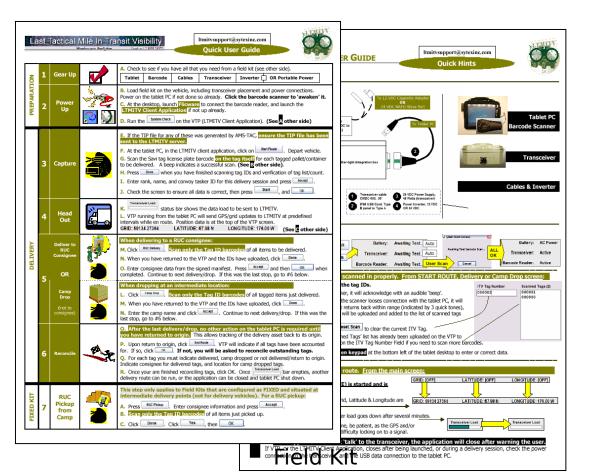
W2W

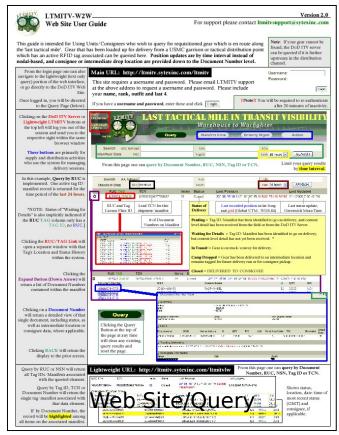




UNITED STATES MARINE CORPS

Quick User Guides





- Continue to assess operational use
- Continue in-theatre fielding and assessment
- Field Kits to all 3 MEF's for Training Base
- Determine additional requirements
- Conduct Requirements Board for seamless distribution process (AMS/W2W?)
- Future minor releases
- Passive RFID options
- Smaller footprint (Handheld)
- Converge with other SatCom providers
- MCEITS, IA Process

- Visibility from Warehouse to Warfighter
- Robust COTS platform
- Simplified approach
 - Uses pre-positioned data
 - Economic use of bandwidth
- Not intended as another stovepipe
- Reusable platform to solve real problems right now...
- ...while recognizing that change is inevitable with:
 - Increased use and feedback
 - Technology trends and adoption
 - Standards, policy and directive evolution



ransportation and Distribution Information Systems (TDIS) Program Office

Thank Vou